Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	12/21/2021 10:35 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/16/2021 09:10 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124410	-1	2.79	124328	2.77
Blue	F	SSC	125000	123800	-1	3.18	124353	3.05
Blue	E	FITC	14284	13731	-4	3.52	383	14.33
Blue	D	PE	23919	23490	-2	3.18	558	11.38
Blue	B	PerCP-Cy5-5	31332	30884	-2	4.09	880	15.62
Blue	A	PE-Cy7	22272	22080	-1	5.86	461	32.13
Red	C	APC	47768	46925	-2	2.69	1611	11.96
Red	A	APC-Cy7	25313	24524	-4	3.12	694	12.84
Violet	B	V450	7085	6846	-4	3.91	476	11.62
Violet	A	V500	26969	26108	-4	3.48	894	8.63

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23769	4.39	590	1	N/A	N/A	Pass
Blue	F	SSC	55147	3.02	526	5	N/A	N/A	Pass
Blue	E	FITC	57	55.60	497	-4	0.0380	28	Pass
Blue	D	PE	108	40.97	495	-2	0.3471	286	Pass
Blue	B	PerCP-Cy5-5	137	43.24	586	-2	0.0185	70	Pass
Blue	A	PE-Cy7	75	86.72	633	-2	0.0205	9	Pass
Red	C	APC	336	27.05	581	1	0.0255	170	Pass
Red	A	APC-Cy7	131	36.03	555	0	0.0058	1367	Pass
Violet	B	V450	81	46.44	459	-4	0.0530	2034	Pass
Violet	A	V500	106	30.20	470	-4	0.0233	599	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.68	-31.58	0.98
Blue	20.35	16.28 - 24.42	1.29	1.02 - 1.52	0.00	0.00	1.43
Red	13.68	13.60 - 20.40	N/A	N/A	29.86	30.13	1.23

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 9633

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments